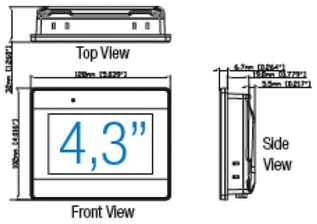
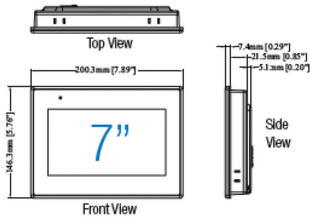
VISUAL

DIMENSION

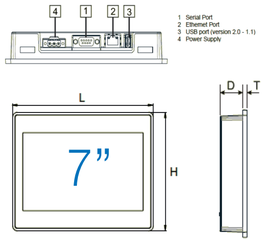
VISUAL1E, VISUAL3E



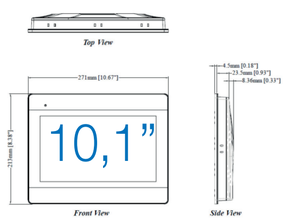
VISUAL2E, VISUAL4ET, VISUAL6E



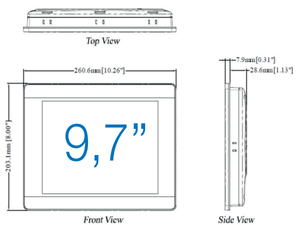
VISUAL5-PC, VISUAL5-WB



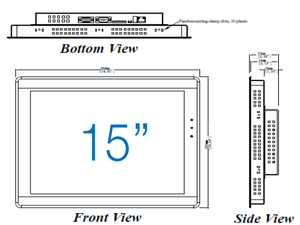
VISUAL7N, VISUAL8E, VISUAL9E



VISUAL11E



VISUAL11E



EASY BUILDER PRO

HMI programming environment

- Integrated windows development environment, toolbars, dialogs, menu bars, drag & drop drawing objects
- Multi-function objects for dynamic use to support user screenpages (graphics, buttons, alarm history etc.)
- Multilinguage display support
- More than 250 drivers available to ensure easy connection to PLCs, temperature controllers, barcode readers etc.

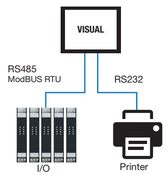
EASY ACCESS

Remote assistance tool

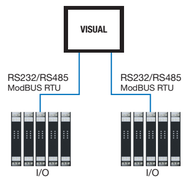
- Remote assistance system enabled on HMI VISUAL Series equipped with Ethernet port
- Remote access to the operator panel and, in passthrough mode, to PLCs and devices connected to it (in serial or Ethernet mode) without any network configuration
- SSL VPN connection for secure data and information exchange with low bandwidth usage

CONNECTION EXAMPLE

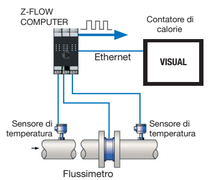
SERIAL COMMUNICATION



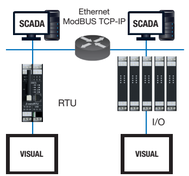
DISTRIBUTED SERIAL NETWORK



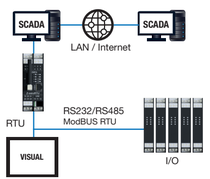
FLOW COMPUTER HMI



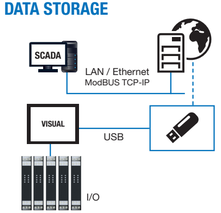
ETHERNET



REMOTE CONTROL



DATA STORAGE



ORDER CODES

Code	Description	Code	Description
EB PRO	VISUAL operator panel configuration software	VISUAL7N	10,1" WVA Touch Screen Quad Core RISC, 1 ETH
VISUAL1E	4,3" TFT Touch Screen Dual Core RISC, 1 ETH	VISUAL8E	10,1" WVATouch Screen Quad Core RISC, 2 ETH
VISUAL2E	7" TFT Touch Screen Dual Core RISC, 1 ETH	VISUAL9E	10,1" WVA Touch Screen Quad Core RISC CANBus, 2 ETH, IOT/4.0
VISUAL3E	4,3" TFT Touch Screen Quad Core RISC 2 Ethernet	VISUAL11E	9,7" TFT Touch Screen Quad Core RISC CANBus, 2 ETH, IOT/4.0
VISUAL4ET	7" high-res HMI, quad-core, CAN & dual Ethernet, IIoT-ready, wide-temp.	VISUAL12E	15" WVA Touch Screen Quad Core RISC, 2Eth
VISUAL5-PC	HMI 7" TFT Display, 1xETH, 4GB Flash (Pump Controller version)	VISUALEA	Remote assistance card for VISUAL HMI Series
VISUAL5-WB	HMI 7" TFT Display, 1xETH, 4GB Flash	VISUALTV	TV interface
VISUAL6E	7" TFT Touch Screen Quad Core RISC, 2Eth	VISUALWIFI	WiFi expansion module for VISUAL Series

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HMI OPERATOR PANELS VISUAL

SENECA
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100% Made & Designed in Italy

VISUAL

VISUAL Series - Advanced HMI Solutions

The VISUAL Series represents a complete and scalable range of Human Machine Interfaces designed to meet the evolving needs of industrial automation. Comprising 12 models from compact 4.3" panels to large 15" displays and external HDMI-based solutions, the VISUAL Series combines performance, flexibility, and connectivity in a unified platform.
Powered by high-performance processors and equipped with up to 4 GB Flash and 1 GB RAM, these HMIs ensure smooth visualization, fast data handling, and reliable operation in demanding environments.
The series supports a wide range of communication interfaces, including dual Ethernet, serial ports, USB, and optional wireless connectivity, enabling seamless integration with PLCs, field devices, and cloud platforms.

With both traditional HMI and web-based architectures, the VISUAL Series adapts to any application scenario-from standalone machine control to distributed IIoT systems. Robust design, fanless operation, and high protection ratings ensure durability, while intuitive development environments simplify configuration and deployment.
The VISUAL Series is the ideal choice for engineers seeking a future-ready interface solution that bridges shop-floor operations and digital transformation.

- **Scalable Portfolio**
- **High Performance Architecture**
- **Flexible Connectivity**
- **Web & Traditional HMI**
- **Robust Industrial Design**
- **Easy Development & Deployment**
- **Advanced Visualization**
- **4.0/5.0 Ready Platform**

	VISUAL1E	VISUAL2E	VISUAL3E	VISUAL4ET	VISUAL5-PC	VISUAL5-WB	VISUAL6E	VISUAL7N	VISUAL8E	VISUAL9E	VISUAL11E	VISUAL12E	VISUALTV
													
DISPLAY													
Display Size	4.3" TFT	7" TFT	4.3" Wide Viewing Angle (WVA)	7" Wide Viewing Angle (WVA)	7" TFT	7" TFT	7" TFT	10.1" Wide Viewing Angle (WVA)	10.1" TFT	10.1" TFT	9.7" TFT	15" WVA	External display (HDMI)
Resolution	480 x 272	800 x 480	800 x 480	1024 x 600	800 x 480	800 x 480	800 x 480	1024 x 600	1024 x 600	1024 x 600	1024 x 768	1024 x 768	Up to 1920 x 1080
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9	4:3	4:3	16:9 / 4:3 configurable
Brightness	400 cd/m²	450 cd/m²	530 cd/m²	1200 cd/m²	200 cd/m²	200 cd/m²	400 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	Depends on external monitor
Contrast	500:1	500:1	800:1	800:1	N/A	N/A	800:1	1000:1	500:1	500:1	500:1	2500:1	Depends on external monitor
Backlight	LED, >30,000 hrs	LED, >30,000 hrs	LED, >30,000 hrs	LED, >30,000 hrs	LED	LED	LED, >30,000 hrs	LED, 50,000 hrs	LED, >50,000 hrs	LED, >50,000 hrs	LED, >30,000 hrs	LED, >70,000 hrs	External display dependent
Colors	16.7M	16.7M	16.7M	16.7M	64K	64K	16.7M	16.7M	16.7M	16.7M	262K	16.2M	External display dependent
Touchscreen	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	Resistive	Resistive	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	External touchscreen
Accuracy	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	N/A	N/A	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Depends on external touchscreen
COMMUNICATION													
USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
Eth 10/100	10/100 Base-T x 1	10/100 Base-T x 1	LAN2 10/100 Base-T	LAN1 + LAN2 10/100	1x 10/100 Mbit	1x 10/100 Mbit	LAN1 + LAN2 10/100	10/100 Base-T x 1	LAN2 10/100	LAN2 10/100	LAN2 10/100	LAN2 10/100	LAN2 10/100
Eth 1G	N/A	N/A	LAN1 10/100/1000 Base-T	N/A	N/A	N/A	N/A	N/A	LAN1 10/100/1000	LAN1 10/100/1000	LAN1 10/100/1000	LAN1 10/100/1000	LAN1 10/100/1000
RS232	COM1 RS232	COM1 RS232 4W	COM1 RS232	COM1 RS232	Yes	Yes	COM1 RS232 + COM3 RS232	COM1 RS232 4W, COM3 RS232 2W	COM1 RS232 + COM3 RS-232	COM1 RS232 + COM3 RS232	COM1 RS232 + COM3 RS232	COM1 RS232 + COM3 RS232	COM1 RS232
RS485	COM1 RS485 + COM3 RS485	COM2 RS485 2W/4W	COM1 RS485 + COM3 RS485	COM2 + COM3 RS485	Yes	Yes	COM2 + COM3 RS485	COM2 RS485 2W/4W, COM3 RS485 2W	COM2 + COM3 RS485	COM2 + COM3 RS485	COM2 + COM3 RS485	COM1 + COM3 RS485	COM2 + COM3 RS485
RS232/485	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RS232/485/422	N/A	N/A	N/A	Yes	Yes (configurable)	Yes (configurable)	Yes	N/A	Yes	Yes	Yes	Yes	Yes
CAN	N/A	N/A	N/A	Yes	N/A	N/A	No	N/A	No	Yes	Yes	No	No
SD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SD/SDHC	N/A
WiFi	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional	Optional	Optional	N/A	N/A
HDMI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes (output)
GENERAL DATA													
Flash	256 MB	256 MB	4 GB	4 GB	4 GB	4 GB	4 GB	256 MB	4 GB	4 GB	4 GB	4 GB	4 GB
RAM	128 MB	128 MB	1 GB	1 GB	512 MB	512 MB	1 GB	128 MB	1 GB	1 GB	1 GB	1 GB	1 GB
Processor	Dual-core RISC	Dual-core RISC	Quad-core RISC	Quad-core RISC	ARM Cortex A8 1 GHz	ARM Cortex A8 1 GHz	Quad-core RISC	Dual-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC
RTC	Built-in	Built-in	Built-in	Built-in	Yes	Yes	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
Power	24±20% VDC	24±20% VDC	24±20% VDC	24±20% VDC	24 VDC (10-32V)	24 VDC (10-32V)	24±20% VDC	24±20% VDC	24±20% VDC	24±20% VDC	24±20% VDC	24±20% VDC	24±20% VDC
Consumption	350mA@24VDC	450mA@24VDC	510mA@24VDC	820 mA @24VDC	0.3 A @24VDC	0.3 A @24VDC	820mA@24VDC	510mA@24VDC	1A@24VDC	1A@24VDC	1A@24VDC	1.3A@24VDC	850mA@24VDC
Enclosure	Plastic	Plastic	Plastic	Aluminum	N/A	N/A	Plastic	Plastic	Plastic	Plastic	Plastic	Aluminum	Plastic
Dimensions	128 x 102 x 32 mm	200.4 x 146.5 x 34 mm	128 x 102 x 32 mm	200.4 x 146.5 x 36 mm	187 x 147 x 29 mm	187 x 147 x 29 mm	200.3 x 146.3 x 35 mm	271 x 213 x 36.4 mm	271 x 213 x 38 mm	271 x 213 x 38 mm	260.6 x 203.1 x 44.5 mm	366 x 293 x 48.2 mm	29.8 x 130 x 115 mm
Cutout	119 x 93 mm	192 x 138 mm	119 x 93 mm	192 x 138 mm	176 x 136 mm	176 x 136 mm	192 x 138 mm	260 x 202 mm	260 x 202 mm	260 x 202 mm	250 x 192 mm	352 x 279 mm	N/A (DIN rail mounting)
Weight	Approx. 0.25 kg	Approx. 0.52 kg	Approx. 0.27 kg	Approx. 0.8 kg	Approx. 0.6 kg	Approx. 0.6 kg	Approx. 0.6 kg	Approx. 1 kg	Approx. 1.2 kg	Approx. 1.2 kg	Approx. 1 kg	Approx. 2.74 kg	Approx. 0.24 kg
Temp	0° ~ 55°C	0° ~ 55°C	0° ~ 50°C	-20° ~ 55°C	0° ~ 50°C	0° ~ 50°C	0° ~ 55°C	0° ~ 55°C (32° ~ 131°F)	0° ~ 50°C	0° ~ 50°C	0° ~ 50°C	0° ~ 50°C	0° ~ 50°C
IP	NEMA4 / IP65 Front	NEMA4 / IP65 Front	NEMA4 / IP66 Front	UL Type 4X / NEMA4 / IP66	Front IP66 / Rear IP20	Front IP66 / Rear IP20	UL Type 4X / NEMA4 / IP66	NEMA4 / IP65 Compliant Front Panel	UL Type 4X / NEMA4 / IP66	UL Type 4X / NEMA4 / IP66	UL Type 4X / NEMA4 / IP66	UL Type 4X / NEMA4 / IP66	IP20
Fanless	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cert	CE marked	CE marked	CE marked	CE, UL Class 1 Div 2	CE, UL, ATEX, DNV, RCM	CE, UL, ATEX, DNV, RCM	CE, UL	CE marked	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL
SETTINGS													
EasyBuilder	V6.08.01 or later	V6.08.01 or later	V6.09.01 or later	V6.07.01 or later	No	No	V6.05.02 or later	V6.08.01 or later versions	V6.06.02 or later	V6.05.02 or later	V6.04.01 or later	V6.05.02 or later	V6.07.02 or later
EasyAccess	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	No	No	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)
Dashboard	N/A	N/A	Optional	Optional	No	No	Optional	N/A	Optional	Optional	Optional	Optional	Optional
CODESYS	N/A	N/A	Optional	Optional	No	No	Optional	N/A	Optional	Optional	Optional	Optional	Optional
JMobile	N/A	N/A	N/A	N/A	Yes	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WebServer	N/A	N/A	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes	Yes
HMI App	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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